# MINUTES FOR THE MEETING OF THE COMMISSION ON WATER RESOURCE MANAGEMENT

DATE:

March 21, 2017

TIME:

10:00 am

PLACE:

**DLNR Board Room** 

Kalanimoku Bldg.

Commissioner Kamana Beamer called the meeting of the Commission on Water Resource Management to order at 10:02 a.m.

The following were in attendance and/or excused:

**MEMBERS:** 

Mr. William Balfour, Jr., Mr. Michael Buck, Dr. Kamana Beamer,

PhD, Mr. Neil Hannahs, DOH Representative Mr. Keith Kawaoka

**STAFF:** 

Jeffrey Pearson, P.E., Roy Hardy, Dean Uyeno, Lenore Ohye,

Charley Ice, Rebecca Alakai, Aaron Strauch, Patrick Casey

**COUNSEL:** 

Colin Lau, Esq.

**OTHERS:** 

Robbie Alm (CLN), Erwin Kawata (BWS), Jonathan Scheuer, Natasha Baldanf (DHHL/Sullivan Meheula Lee), Ikaika Lowe (Student), Kanoe Nakata (Student), David Henkin (Earthjustice), Kylie Wager (Earthjustice), Nanea Lo (Student), Steven Chang

(DOH)

Commissioner Beamer announced that there are updates on the agenda and no action items on today's agenda.

#### A. APPROVAL OF MINUTES

January 17, 2017

**MOTION: (BUCK/HANNAHS)** 

To approve the minutes of January 17, 2017

MINUTES UNANIMOUSLY APPROVED (Balfour, Kamana, Buck, Hannahs)

### B. ANNOUNCEMENTS

Commissioner Beamer introduced the new Commission secretary, Faith Ching.

### C. NON-ACTION ITEMS

1. Red Hill Updates, Moanalua and Waimalu Ground Water Management Areas, Oahu

Mr. Steven Chang of the Department of Health, Solid and Hazardous Waste Branch updated the commission with a powerpoint presentation of the Red Hill Bulk Fuel Storage Facility that is situated in the Moanalua and Waimalu Ground Water Management Areas, Oahu. A copy of the powerpoint presentation is attached and is a part of the minutes.

Chair Case arrived at 10:36 am and recommended a 5-minute break before continuing on.

2. Update on the Mediation of the Combined Petition to Amend the Interim Instream Flow Standards for Waimea River and its Headwaters and Tributaries, and Complaint and Petition for Declaratory Order Against Waste, Filed by Po'ai Wai Ola/West Kauai Watershed Alliance (through Earthjustice); and if there is a fully executed Mediation Agreement presented, Approval or Disapproval by the Commission.

Deputy Director Jeffrey Pearson announced that the intent today is the update/decision making on the mediation that is taking place in Kauai with the petition and complaint that is brought forth by Earthjustice. He introduced Robbie Alm as the Mediator for this issue.

Mr. Robbie Alm updated the Commission and stated that the parties have been meeting little over a year. Although the parties have had various good and fruitful discussions, the mediation has not been resolved. Mr. Alm stated that he feels confident that there is a possibility of resolving the dispute. They are very close in resolving the dispute and requested that the Commission give another month in hopes that the issues will be resolved and present the Commission with an agreement at the next meeting.

Commissioner Balfour recommended approval for a one month extension.

### (BALFOUR/HANNAHS)

To approve a one month extension. UNANIMOUSLY APPROVED

### **TESTIMONY:**

Kanoe Nagata from Kailua, Oahu spoke about the Waimea Waterfall issue. There were no representation from Kauai about this matter. According to Hawaii model mediation, things are kept confidential. Ms. Nagata referred to the term batna mediation which means to negotiate and compromise. She felt that the batna for those who want the dam to be removed and the waterfall restored that their batna is all or nothing. Ms. Nagata stated that

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it is important to support the petition. She feels that bringing life to that river is like bringing life to the community. Teenagers are taking time and effort to support this petition and the restoration of water in Waimea water.

### D. NEXT COMMISSION MEETINGS (TENTATIVE)

April 18, 2017 (Oahu) May 16, 2017 (Oahu)

Chair Case requested an update for the following month's agenda items.

Deputy Director stated that tentative review of the Na Wai Eha Contested Case will be in May of 2017, and East Maui streams review will be tentatively in June, 2017.

A possible agenda item may be from the Navy to present their update on Red Hill.

Commissioner Beamer requested a site visit of Red Hill and to consider an update or how he can help on an expedited traditional customary rights permitting process that was approved in regards to stream water diversions.

Commissioner Buck suggested field trip on streams and Deputy Director Pearson is already in discussion with Dean Uyeno on this matter.

Deputy Attorney General requested to hold the next Commission meeting on April 25 because he will not be able to attend.

David Henkin – EJ – requested holding the April meeting on Kauai.

MOVED AND SECONDED TO ADJOURN (BALFOUR/BEAMER)

Meeting adjourned at 11:53 AM.

Respectfully submitted,

FAITH CHING

Secretary

APPROVED AS SUBMITTED:

JEFFREY T. PEARSON, P.E.

**Deputy Director** 

# United States Navy Red Hill Bulk Fuel Storage Facility Oahu, Hawaii AOC Update

March 21, 2017
Steven Y. K. Chang
Hawaii Department of Health
Solid and Hazardous Waste Branch

# **RED HILL STATUS UPDATE – 2017**

### **LATEST FINDINGS, ACCOMPLISHMENTS AND ACTIVITIES:**

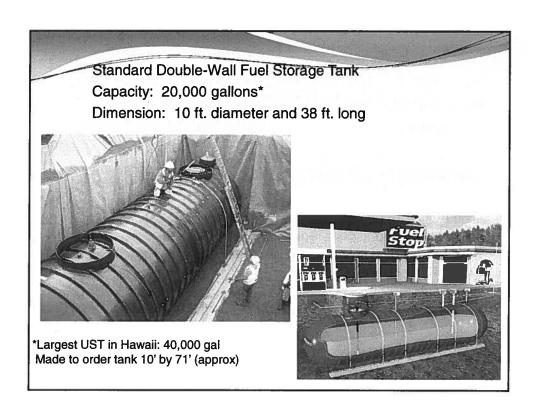
Navy and DLA improving inspection and repair procedures

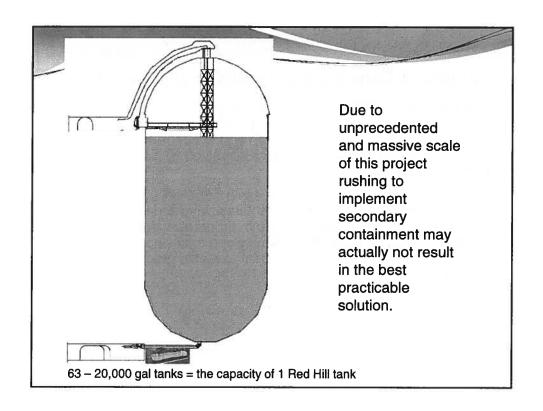
Detailed tank upgrade study in progress

Recent testing indicates tanks are not leaking

Drinking water meets federal and state standards

**Environmental monitoring increased around tanks** 





The current evaluation of tank upgrade alternatives, have included designs that will improve integrity, reliability and provide a credible means of leak detection and/or fuel containment.

Initially, over 25 upgrade concepts grouped into three categories; tank interior upgrades, secondary containment with release detection, and tank exterior upgrades.

Fourteen technologies were screened based on the following parameters:

Feasibility (can it be constructed in the field at Red Hill) Testability (will it hold product)

Inspectable

Repairable

#### The six alternatives to be studied: 1. modifications to the current tank configuration, the current configuration Maintain Existing Material Add Full Internal Coating New Steel Liner with Coating 2. plus coatings, 3. complete replacement of the existing steel plates. 4. construction of a double -Option Option Option walled tank without an 1B accessible outer wall using either carbon steel or stainless steel, 5. construction of a double -Double Wall Tank Double Wall Tank walled tank without an Tank Within a Tank with Carbon Steel with Stainless Steel accessible outer wall using either carbon steel or stainless steel, and Option Option 6. construction of a new Option 2B tank inside the existing tank.

# **Tank Upgrade Updates**

June 2017

October 2017

Final Report December 8, 2017

**BAPT Decision Spring 2018** 

# Section 4

# **Leak Detection and Tank Tightness Testing indicates tanks are not leaking**

From December 2016 to February 2017 Navy performed annual tank tightness tests on all of the large tanks currently in use. All tanks passed and were reported as being tight to the Regulatory Agencies.

Navy plans to evaluate 3 electronic leak detection systems

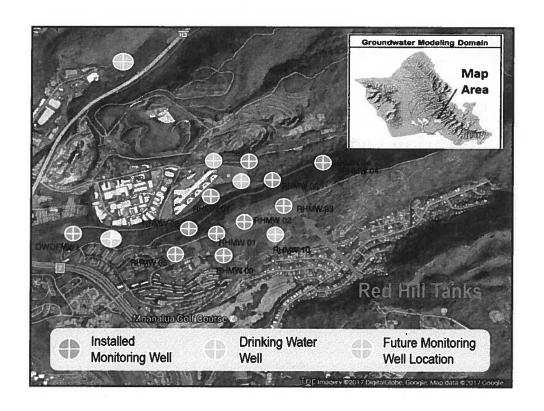
# **Section 5 Corrosion and Metal Fatigue**

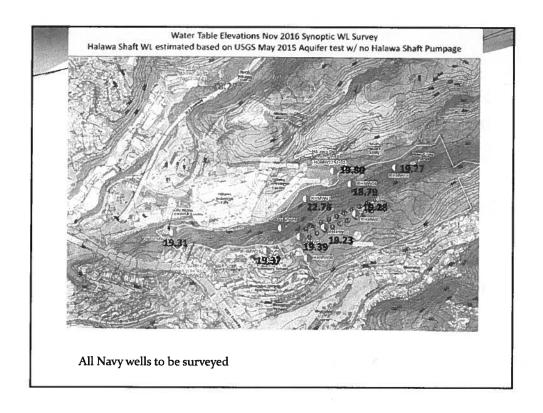
**Evaluation of Non-destructive Testing** 

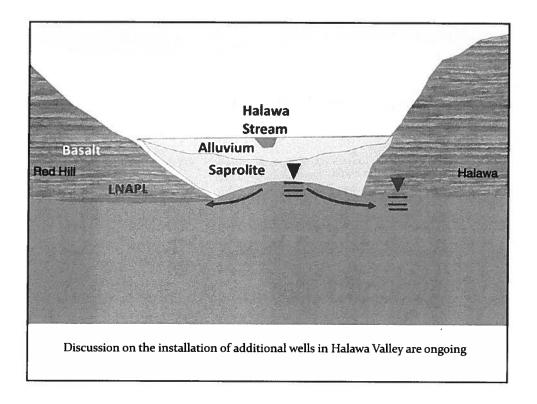
Confirmation using Destructive Testing

# Section 6 and 7 Investigation and Remediation of Release/ Groundwater Protection

**Environmental Monitoring Around Tanks Increased** 







# Section 8 Risk/Vulnerability Assessment

Key Issues Discussed to Date

Establishing Probability and Magnitude of Future Major Releases

Identifying Vulnerabilities

Interaction Between Section 8 Work and Work Being Done Under Other Sections of the AOC

# Navy's Position: (Admiral Fuller 3/17/17)

- The drinking water is safe and the U.S. Navy is committed to keeping it safe.
- The tanks are not leaking.
- The Administrative Order on Consent process is working and on track.
- · Red Hill is a modernized facility.
- The Red Hill facility is essential to the Fleet and other DOD services.

# Thank You

Questions

For Further Information www.epa.gov/red-hill www.health.hawaii.gov/shwb/ust-red-hill-project-main/

Steven Chang, P.E. Hawaii Department of Health Red Hill Project Coordinator (808) 586-4226 steven.chang@doh.hawaii.gov

Bob Pallarino U.S. EPA Region 9 Red Hill Project Coordinator (415) 947-4128 pallarino.bob@epa.gov Thu Perry Hawaii Department of Health Public Information Officer (808) 586-4226 thu.perry@doh.hawaii.gov

Dean Higuchi U.S. EPA Region 9 Public Affairs Specialist (808) 541-2711 higuchi.dean@epa.gov

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# United States Navy Red Hill Bulk Fuel Storage Facility Oahu, Hawaii AOC Update

March 21, 2017
Steven Y. K. Chang
Hawaii Department of Health
Solid and Hazardous Waste Branch

### **RED HILL STATUS UPDATE - 2017**

#### LATEST FINDINGS, ACCOMPLISHMENTS AND ACTIVITIES:

Navy and DLA improving inspection and repair procedures

Detailed tank upgrade study in progress

Recent testing indicates tanks are not leaking

Drinking water meets federal and state standards

Environmental monitoring increased around tanks

# Facility meets or exceeds petroleum industry standards

From May 9 to May 11, 2016 EPA and DOH officials evaluated the Red Hill Bulk Fuel Storage Facility and its operating records.

The evaluating team consisted of EPA and DOH programmatic staff and inspection personnel along with five industry experts specializing in bulk petroleum storage systems.

The team concluded that the facility's operations and maintenance meet or exceed practices encountered in private industry.

## Summary - Work to be Performed

Section 2 - Tank Inspection, Repair, and Maintenance

Section 3 - Tank Upgrade Alternatives

Section 4 - Release Detection / Tank Tightness Testing

Section 5 - Corrosion and Metal Fatigue Practices

Section 6 - Investigation and Remediation of Releases

Section 7 - Groundwater Protection and Evaluation

Section 8 - Risk and Vulnerability Assessment

# Section 2 Tank Inspection Repair & Maint. Navy and DLA improve inspection and repair procedures

The Navy submitted a *Tank Inspection Repair and Maintenance Procedures Report* on October 11, 2016.

The AOC Parties began meeting to discuss plans for implementing additional improved tank inspection, repair and maintenance procedures and propose a schedule for tank repair at the Facility.

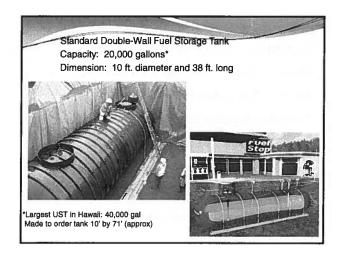
These meetings concluded on February 21, 2017.

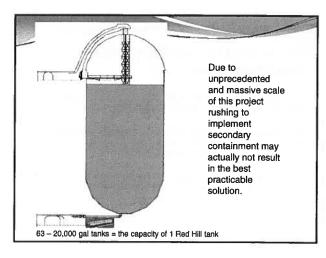
Decision Document is due on April 24

# Section 3 Tank Upgrade Alternatives Detailed tank upgrade study in progress

On December 8, 2016 EPA and DOH approved the *Tank Upgrade Alternatives Scope of Work* submitted by Navy and DLA on September 8, 2016.

The Regulatory Agency approval requires Navy and DLA to provide EPA and DOH with two interim progress updates on the study of tank upgrade technologies and to develop a decision process for selecting the best available practicable technology





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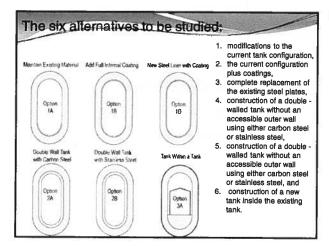
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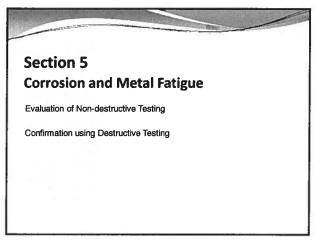
**BAPT Decision Spring 2018** 

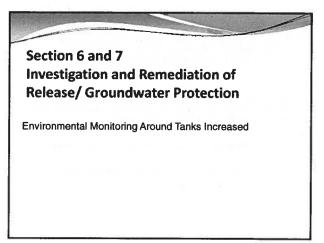
#### Section 4

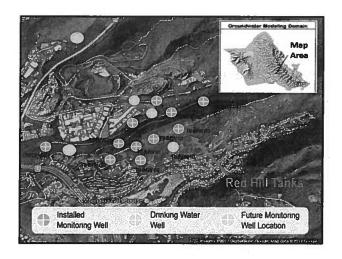
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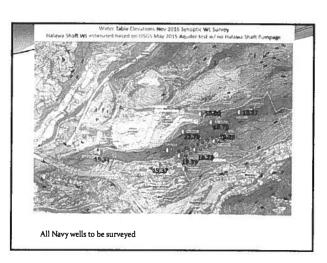
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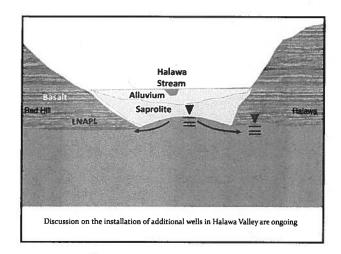
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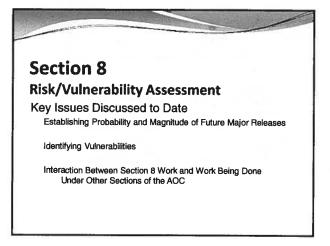


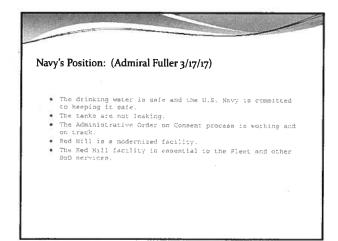


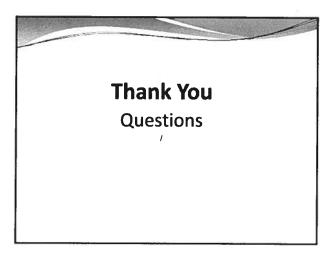












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